UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Turning Clinical Experience Into Research Projects

1920-3-H4102D048

Aims

to introduce the student to the practice of clinical research

Contents

The program of this course intends to introduce the student to the practice of clinical research by following two paths. The first will indicate the basis that led to the generation of scientific evidence on which diagnostic and therapeutic decisions are based in the individual patient; the second will cover the reverse path and will develop the notions that the student must know in order to collect and examine the results of his activity in the real life that could be used to generate hypotheses of new controlled studies.

Detailed program

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1. From the generation of the evidence of efficacy (evidence based medicine, EBM) to the clinical application, the hierarchy of evidence will be highlighted pointing out in a critical sense the results of randomized clinical trials, meta-analyzes and guidelines.

2. Particular attention will be paid to the process of transferring EBM data into clinical practice that often finds difficulties related to the circumstances of the individual patient observed in daily practice. Particular emphasis will

be given to the collection of results and the methodology for creating data sets of patients on which to evaluate the epidemiology of diseases and the promotion of different types of observational studies. This part will include the presentation of concrete cases that have helped to contribute to the new knowledge of diagnosis, prognosis and therapy. Examples will be presented of how the result of these retrospective and prospective observational studies served to generate randomized clinical trials which in turn allowed to enrich the clinical practice

Prerequisites

NONE

Teaching form

frontal lesson and small group activities

Textbook and teaching resource

available at the beginning

Semester

second term

Assessment method

attendance

Office hours

by email

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